

Model: LXSG-15E1-50E1

## Multi Jet Water Meter

### Feature:

- Multi jet, Dry-dial
- Material body: Brass
- Size: DN15 to DN50mm, (½"-2")
- Available for cold water (50°C), hot water (90°C)
- Accuracy: Class B / Class C / R160



### Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

| Size   |        | Class | Qs<br>Overload Flow | Qp<br>Nominal Flow | Qt<br>Transitional Flow | Qmin<br>Min Flow | Min<br>Reading | Max<br>Reading |
|--------|--------|-------|---------------------|--------------------|-------------------------|------------------|----------------|----------------|
| DN(mm) | Inch   |       | m³/h                |                    | L/h                     |                  | m³             |                |
| 15     | 1/2"   | A     | 3                   | 1.5                | 150                     | 60               | 0.0001         | 99999          |
|        |        | B     |                     |                    | 120                     | 30               |                |                |
|        |        | C     |                     |                    | 22.5                    | 15               |                |                |
| 20     | 3/4"   | A     | 5                   | 2.5                | 250                     | 100              | 0.0001         | 99999          |
|        |        | B     |                     |                    | 200                     | 50               |                |                |
|        |        | C     |                     |                    | 37.5                    | 25               |                |                |
| 25     | 1"     | A     | 7                   | 3.5                | 350                     | 140              | 0.0001         | 99999          |
|        |        | B     |                     |                    | 280                     | 70               |                |                |
| 32     | 1 1/4" | A     | 12                  | 6                  | 600                     | 240              | 0.0001         | 99999          |
|        |        | B     |                     |                    | 480                     | 120              |                |                |
| 40     | 1 1/2" | A     | 20                  | 10                 | 1000                    | 400              | 0.001          | 99999          |
|        |        | B     |                     |                    | 800                     | 200              |                |                |
| 50     | 2"     | A     | 30                  | 15                 | 1500                    | 600              | 0.001          | 99999          |
|        |        | B     |                     |                    | 1200                    | 300              |                |                |

### INDICATING ERROR

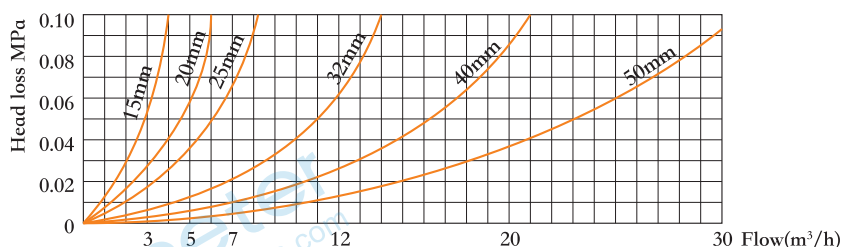
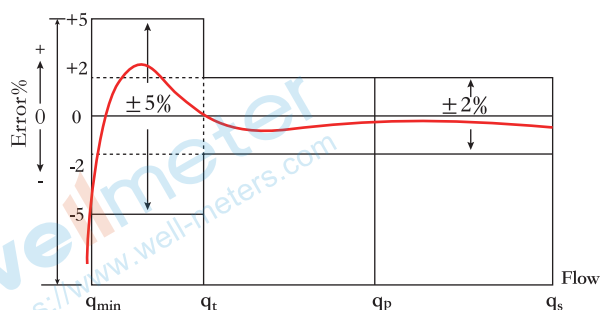
At low zone is  $\pm 5\%$  from minimum flow rate (qmin) to transitional flow rate (qt) exclusive boundary

At high zone is  $\pm 2\%$  from transitional flow rate (qt) to overload flow rate (qs)

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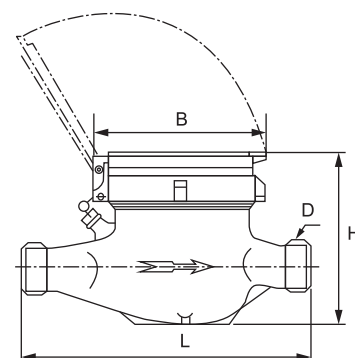
According to ISO4064(GB/T778.1-2007) Standard

| DN Size                | Mm Inch | 15<br>1/2" | 20<br>3/4" | 25<br>1" | 32<br>1 1/4" | 40<br>1 1/2" | 50<br>2" |
|------------------------|---------|------------|------------|----------|--------------|--------------|----------|
| Q4(m³/h)               |         | 3.125      | 5          | 7.875    | 12.5         | 20           | 31.25    |
| Q3(m³/h)               |         | 2.5        | 4          | 6.3      | 10           | 16           | 25       |
| R80                    | Q2(L/h) | 50         | 80         | 126      | 200          | 320          | 500      |
|                        | Q1(L/h) | 31.25      | 50         | 78.75    | 125          | 200          | 312.5    |
| R100                   | Q2(L/h) | 40         | 64         | 100.8    | 160          | 256          | 400      |
|                        | Q1(L/h) | 25         | 40         | 63       | 100          | 160          | 250      |
| R125                   | Q2(L/h) | 32         | 51.2       | 80.64    | 128          | 204.8        | 320      |
|                        | Q1(L/h) | 20         | 32         | 50.4     | 80           | 128          | 200      |
| R160                   | Q2(L/h) | 25         | 40         | 63       | 100          | 160          | 250      |
|                        | Q1(L/h) | 15.625     | 25         | 39.375   | 62.5         | 100          | 156.25   |
| Min reading(m³)        |         | 0.0001     | 0.0001     | 0.0001   | 0.0001       | 0.001        | 0.001    |
| Max reading(m³)        |         | 99999      | 99999      | 99999    | 99999        | 99999        | 99999    |
| Max pressure(MAP)      |         | 16         | 16         | 16       | 16           | 16           | 16       |
| Max loss( $\Delta P$ ) |         | 63         | 63         | 63       | 63           | 63           | 63       |
| Max temperature        |         | T50        | T50        | T50      | T50          | T50          | T50      |



## Dimensions and Weight:

| Meter Size<br>Dia<br>DN | L<br>Length | B<br>Width | H<br>Height | Connecting Thread<br>D | Weight<br>Kg |
|-------------------------|-------------|------------|-------------|------------------------|--------------|
| (mm)                    | (mm)        |            |             |                        |              |
| 15                      | 165         | 99         | 108         | G 3/4B                 | 1.4          |
| 20                      | 190         | 99         | 108         | G 1B                   | 1.7          |
| 25                      | 225         | 104        | 114         | G1 1/4B                | 2.4          |
| 32                      | 230         | 104        | 117         | G1 1/2B                | 2.7          |
| 40                      | 245         | 128        | 158         | G 2B                   | 4.5          |
| 50                      | 280         | 128        | 183         | G2 1/2B                | 7.2          |



## WORKING CONDITION:

Water temperature:  $\leq 50^{\circ}\text{C}$  for cold water meter

Water temperature:  $\leq 90^{\circ}\text{C}$  for hot water meter

Working pressure:  $\leq 1.6\text{Mpa}$